428 Rect P PTO 20 DEC 1999

FORM PTO-1 (REV 11-98)	U.S. DEPAR	ATTORNEY'S DOCKET NUMBER							
TF	RANSMITTAL LETTER	IOLL-281							
DESIGNATED/ELECTED OFFICE (DO/EO/US)			U.S. APPLICATION NO. (If known, see 37 CER 1.5)						
CONCERNING A FILING UNDER 35 U.S.C. 371 09/4464/1									
	ATIONAL APPLICATION NO.	international filing date 19 June 1998 (19.06.98)	PRIORITY DATE CLAIMED 20 June 1997 (20.06.97)						
TITLE	OF INVENTION Fluid Puri								
TITLE OF INVENTION Fluid Purification Devices and Methods Employing Deionization Followed by Ionization Followed by Deionization									
APPLICANT(S) FOR DO/EO/US L1 ZHANG /									
	t herewith submits to the United State	es Designated/Elected Office (DO/EO/US) the follo	owing items and other information:						
2. <b></b> 3. <b>_</b> _	This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.								
	T								
4. X 5. X									
J. LAI	A copy of the International Application as filed (35 U.S.C. 371(c)(2))  a. is transmitted herewith (required only if not transmitted by the International Bureau).								
	b. has been transmitted by the International Bureau.								
	c. X is not required, as the application was filed in the United States Receiving Office (RO/US).								
6.	A translation of the International Application into English (35 U.S.C. 371(c)(2)).								
7. LXI	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))								
	a.  are transmitted herewith (required only if not transmitted by the International Bureau).								
	<ul> <li>b.  have been transmitted by the International Bureau.</li> <li>c.  have not been made; however, the time limit for making such amendments has NOT expired.</li> </ul>								
	d. have not been made and will not be made.								
8.	A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).								
9.	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).								
10.	A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).								
Items 1	11. to 16. below concern docume	nt(s) or information included:							
11. 🗵	An Information Disclosure State	ement under 37 CFR 1.97 and 1.98.							
12. 🔲	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.								
13. <b>X</b>	A FIRST preliminary amendment.								
	A SECOND or SUBSEQUENT	preliminary amendment.							
14.	A substitute specification.								
15. X	A change of power of attorney and/or address letter.								
16. <b>X</b>		cknowledgement postcard							
	. L	etter of Transmittal							

	Ī	ese No	(; )
7,11		. A.,	

U.S. APPOCATION NO. (IT)	nown, see 37 CFR CM	INTERNATIONAL APPLICA	TION NO.			ATTORNEY'S DOCKE	T NUMBER			
U.S. APPOTAGON NO. (44	464/1	PCT/US98/128	323		_	IOLL-281				
The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482)  nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO  and International Search Report not prepared by the EPO or JPO										
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$840.00										
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO										
International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)										
International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4)										
	ENTER APPR	OPRIATE BAS	IC FEE AM	OUNT =	\$	990.00°				
Surcharge of \$130 months from the	).00 for furnishing the cearliest claimed priority	eath or declaration la date (37 CFR 1.492	ter than 20 (e)).	<b>X</b> 30	\$	130.00	·			
CLAIMS	NUMBER FILED	NUMBER	EXTRA	RATE	<del> </del>		-			
Total claims	23 - 20			X \$18.00	\$	54.00				
Independent claims				X \$78.00 + \$260.00	\$ \$	0				
MULTIPLE DEP	ENDENT CLAIM(S) (if a	L OF ABOVE				854.00				
	for filing by small entit d (Note 37 CFR 1.9, 1.2	y, if applicable. A St			\$					
must also by me	1 (1000 57 0110 1.5, 1.2	., 1.20).	CLIDT	OTAL =	\$	854.00				
	2010000 0 0 0 11:	41 . F P. l. 41-4			\$	854.00				
Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(f)).						054.00				
	<u> </u>		L NATION		\ \frac{3}{5}	854.00				
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property										
		TOTAL	FEES ENC	LOSED =		854.00				
					Aı	nount to be: refunded	\$			
						charged	\$			
Chargeu										
a. X A chec	ck in the amount of \$_		cover the above	e ices is clicios	oca.		ļ			
	charge my Deposit Acc		in the	amount of \$		to co	ver the above fees.			
	A duplicate copy of this sheet is enclosed.  c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1133. A duplicate copy of this sheet is enclosed.									
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status										
SEND ALL CORRE	ESPONDENCE TO:	AL	444-							
Mark G. Lappin SIGNAT						7				
McDERMOTT, WILL & EMERY						Lappin				
26 State Street						. паррти				
	Boston, Massachusetts 02109				618	618				
101. 017. 505. 4045					N NI IMREP					
Fax: 617-535-3800 REGISTRATION NUMBER										
1										

**PATENTS** 

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Li Zhang

U.S. National Phase of

Int'l Appln. No.:

PCT/US98/12823

Int'l Filing Date:

19 June 1998 (19.06.98)

Priority Date:

20 June 1997 (20.06.97)

Docket Number:

IOLL-281PC (56246)

Title:

FLUID PURIFICATION DEVICES AND METHODS

EMPLOYING DEIONIZATION FOLLOWED

IONIZATION FOLLOWED BY DEIONIZATION

## CERTIFICATE OF MAILING BY EXPRESS MAIL

"Express Mail" Mailing Label Number <u>EK244405761US</u> I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to Box:Patent Application, Assistant Commissioner for Patents, Washington, DC/20231, Atm: RO/US.

Date of Deposit

Røberta L. Hahn

## **BOX NEW APPLICATION**

Assistant Commissioner for Patents Washington, DC 20231

Sir:

## LETTER OF TRANSMITTAL

Enclosed herewith for filing in the above application are the following:

- 1. Transmittal Letter to the United States Designated/Elected office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371;
- 2. Preliminary Amendment;
- 3. Information Disclosure Statement; form PTO-1449, and copies of cited references;
- 4. Change of Attorney Address Notice;
- 4. Check for \$854.00; and
- 5. Acknowledgement postcard.

No additional costs are believed to be due in connection with the filing of this disclosure. However, please charge any necessary fees to our Deposit Account No. 501133.

Date

12/20/99

Respectfully submitted,

Mark G. Lappin

Registration Number 26,618

McDermott, Will & Emery

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